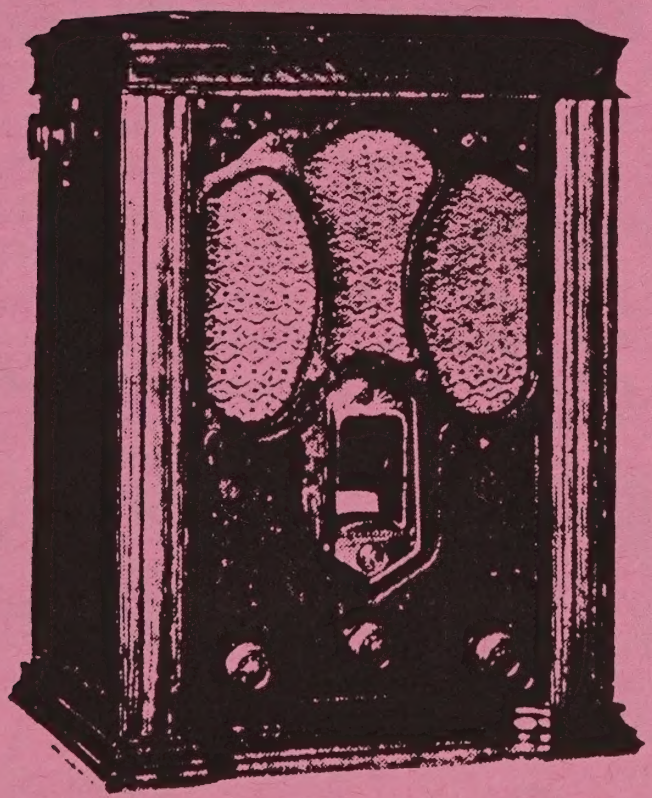
NORTHWEST VINTAGE RADIO SOCIETY

CALL LETTER

VOLUME 14 JANUARY 1988 NUMBER 1



1920–1925–1930–1935–1940–1945–1950–1955–1960–1965–1970–1975–1980–1985

R5-D3
ELECTRONIC SURPLUS

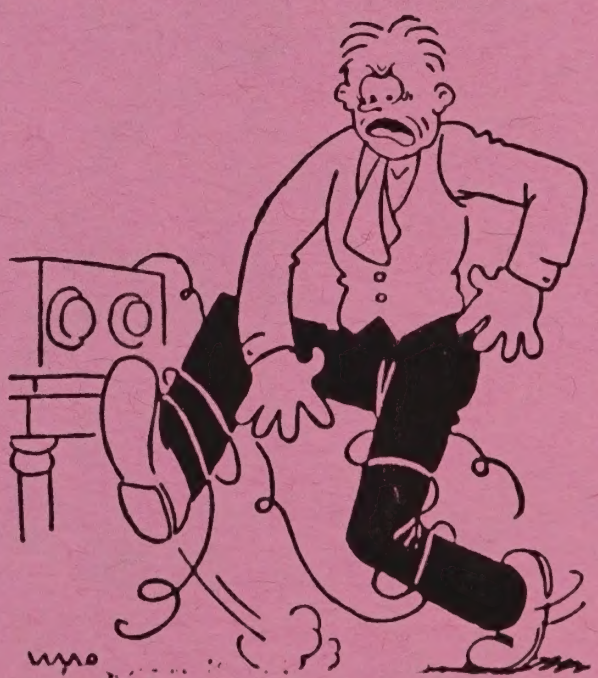
6111 S.E. 82 ND. AVE.
OPEN: 10:00 AM. TO 6:00 P.M.
TUESDAY — SATURDAY

RADIO, TELEPHONE, TEST GEAR,
COMPONENTS, TUBES, X-FORMERS

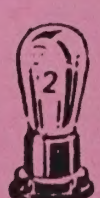
TRADE—SALE—CONSIGNMENT

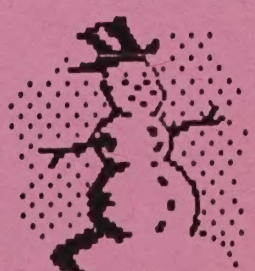
BOB LEE BUS.(503) 774-6560

AN EFFECTIVE LEAD-IN



"Now I know why they quit calling it wireless and call it Radio!"





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CALL LETTER

The CALL LETTER, is published monthly, as the only official publication of the Northwest Vintage Radio Society which is a nonprofit organization incorporated in the State of Oregon. Meetings are held on the 2nd Saturday of each month (July and August omitted) at the Buena Vista Clubhouse in Oregon City. TIME : 11:00

****

NWVRS OFFICERS & STAFF

PRESIDENT.....	DAN HOWARD.....	503-761-7799
VICE PRESIDENT.....	SONNY CLUTTER..	503-254-9296
TREASURER.....	ED CHARMAN.....	503-654-7387
RECORDING SECRETARY....	NORRIS JACKSON.	503-642-5625
LIBRARIAN.....	CHUCK KIBLER...	503-678-5066
EDITOR IN CHIEF.....	EDWIN BUHITE...	503-288-8714
CORRESPOND. SECRETARY..	BOB EWING.....	UNLISTED

****

ATMOSPHERICA

By T

TOM JAMES

ALLEY CAT

A vintage collector though tight,
Reeled out of the house one nite,
Made a quick sally,
Down through the alley,
And landed a "PUP",in full flight!

THE FIRST CHAPTER

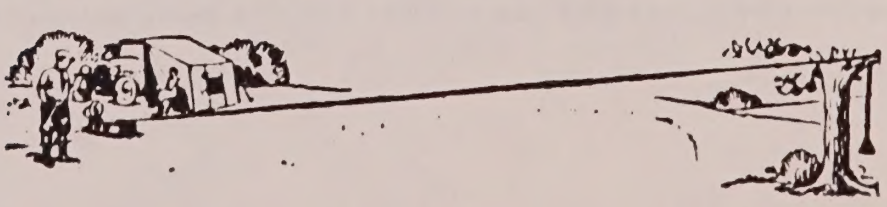
I put on 2¢ stamp on the letter
Requesting a catolog from Sears.
And it won't take a brilliant man,
To note the passing of the years.

I'd get 50¢ for an hours work,
As a radio service boy.
It was an honest living,sir,
Though not a laughing joy.

But I quit the ruddy racket,
In the early thirties,man,
Nothing creates liars quicker
Than PUBLIC relations can!

HOARSE & BUGGY

My fine finished cabinet G.E.,
Was about as high-toned as you'd see.
But the circuit had bugs,
So one needed jugs,
of the well known cure-all,DDT.



JANUARY 9 1988

CONTEST

1. BATTERY SETS

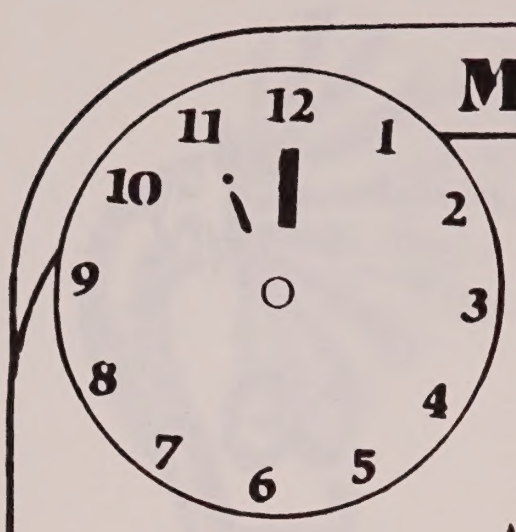
PRE- 1930 WITH FOUR OR MORE TUBES

2. PLASTIC SETS

POST WWII, TUBE TYPE RADIOS

NOTE: THERE IS A LIMIT OF TWO ENTRIES PER PERSON
IN EACH CATAGORY

Meeting Minutes



NWVRS MEETING DECEMBER 12, 1987 WAS CALLED TO ORDER AT 11:12 AM BY PRESIDENT RAY NELSON. THE MINUTES OF THE NOVEMBER 14, 1987 MEETING WERE APPROVED AS PUBLISHED IN THE CALL LETTER.

THE TREASURER'S REPORT WAS GIVEN AND ACCEPTED WITH A CURRENT BALANCE OF $920.42.

GOOD AND WELFARE: NONE

OLD BUSINESS: NONE

NEW BUSINESS: ELECTION OF OFFICERS WAS HELD. THE RESULTS AS FOLLOWS:

PRESIDENT:	DAN HOWARD
VICE PRESIDENT:	SONNY CLUTTER
TREASURER:	ED CHARMAN
RECORDING SECRETARY:	NORRIS JACKSON
CORRESPONDING SECRETARY:	BOB EWING

DAN HOWARD IS PREPARING A LIST OF "ORPHAN" COMPONENTS- CHASSIS WITHOUT CABINETS, CABINETS WITHOUT CHASSIS, HORNS WITHOUT DRIVERS ETC., TO ASSIST IN MAKING MATCHES. MEMBERS ARE URGED TO GIVE LISTS OF SUCH ITEMS WHICH THEY MAY HAVE TO DAN. PSARA WILL BE INCLUDED.

LEADS AND NEEDS: WERE GIVEN, AND THE MEETING ADJOURNED.

Jim Mason

JIM MASON,
ACTING SECRETARY

Happy New Year

U. S. ARMY STANDARD TUBE TYPES & THEIR NEAREST COMMERCIAL (RMA) EQUIVALENTS

Army Type	Equivalent Commercial Type
VT-1	None
VT-2	None
VT-4-B	211
VT-4-C	None
VT-5	WE215A
VT-7	WX-12
VT-17	860
VT-19	861
VT-22	204A
VT-24	884
VT-25	10
VT-26	22
VT-27	30
VT-28	24A, 24
VT-29	27
VT-30	01A, 01
VT-31	31
VT-33	33
VT-34	207
VT-35	35, 51
VT-36	36A, 36
VT-37	37, 37A
VT-38	38, 38A
VT-39-A	869A
VT-40	40
VT-41	851
VT-42-A	872A
VT-43	845
VT-44	32
VT-45	45
VT-46-A	866A, 866
VT-47	47
VT-48	41
VT-49	39, 44
VT-50	50, 585, 586
VT-51	841
VT-52	45-Special
VT-54	34
VT-55	865
VT-56	56
VT-57	57
VT-58	58
VT-60	850
VT-62	801
VT-63	46
VT-64	800
VT-65	6C5
VT-66	6F6
VT-67	Special 80
VT-68	6B7
VT-69	6D6
VT-70	6F7
VT-72	842
VT-73	843
VT-74	5Z4
VT-75	75
VT-76	76
VT-77	77
VT-78	78
VT-80	80
VT-83	83
VT-84	84, 98, 6Z4
VT-86	6K7
VT-86A	6K7G
VT-87	6L7
VT-87A	6L7G
VT-88	6R7
VT-88A	6R7G
VT-89	89

Army Type	Equivalent Commercial Type
VT-90	6H6
VT-91	6J7
VT-91-A	6J7GT
VT-92	6Q7
VT-93	6B8
VT-94	6J5
VT-94A	6J5G
VT-96	6N7
VT-97	5W4
VT-98	6U5, 6G5
VT-99	6F8G
VT-100	807
VT-101	837
VT-103	6SQ7
VT-104	12SQ7
VT-105	6SC7
VT-106	803
VT-107A	6V6GT
VT-107	6V6
VT-108	Elmac 450th
VT-109	2051
VT-111	5BP4
VT-112	6AC7
VT-114	5T4
VT-115	6L6
VT-116	6SJ7
VT-117	6SK7
VT-118	832
VT-119	879
VT-120	954
VT-121	955
VT-124	1A5GT
VT-125	1C5GT
VT-126	6X5
VT-127	Elmac 100TS
VT-128	A 5588
VT-129	304TL
VT-130	250TL
VT-131	12SK7
VT-132	12K8
VT-133	12SR7
VT-134	12A6
VT-135	12J5GT
VT-136	1625
VT-137	1626
VT-138	1629

Army Type	Equivalent Commercial Type
VT-139	VR-150-30
VT-140	R-1628
VT-141	531
VT-144	813
VT-145	5Z3
VT-146	1N5GT
VT-148	1D8GT
VT-149	3A8GT
VT-150	6SA7
VT-151	6A8G
VT-152	6K6GT
VT-153	12C8 Special
VT-154	GL814
VT-155	Reserved for Special Types
VT-156	
VT-157	
VT-158	
VT-159	
VT-160	
VT-161	12SA7
VT-162	12SJ7
VT-163	6C8G
VT-164	1619
VT-165	1624
VT-166	371A
VT-167	6K8
VT-168	—
VT-169	1208
VT-170	1E5GP
VT-171	1R5
VT-172	1S5
VT-173	1T4
VT-174	3S4
VT-175	1613
VT-177	1LH4
VT-178	1LC6
VT-179	1LN5
VT-180	3LE4
VT-181	7Z4
VT-182	1291
VT-183	1294

National Union Radio Corp.
Engineering Dept.

"SUPPLEMENTARY" RECEIVING TUBE CHARACTERISTICS CHART

Tube Type No.	Basing Code	Fil. Volts	Replaceable By Type No.	Remarks	Mfn'r.
BX	4D	3.3	99	.....	.....
PA	5E	6.3	.....	.....	Arcturus
01C	4D	5.0	.....	.....	Canadian Whs'e.
1A6S	6L	2.0	1A6*	*Plus external shield	Rogers
1C6S	6L	2.0	1C6*	*Plus external shield	Rogers
1C7M	7Z	2.0	.....	.....	Rogers
1F5	6X	2.0	.....	.....	Rogers
1F7M	7AD	2.0	.....	.....	Rogers
1H4	5S	2.0	1H4G	.....	Rogers
1T5	6AF	1.4	1T5GT	.....	.....
2A6S	6G	2.5	2A6*	*Plus external shield	.....
DV2	4D	5.0	01A	.....	RCA
H2-10	4AB	2.5	2X2/879	.....	Sylvania
2S/4S	5D	2.5	.....	Duodide	Sylvania Raytheon
2X3	4X	2.5	.....	.....	Rogers
2X3G	4X	2.5	.....	.....	.....
2Y3	4X	2.5	.....	.....	Rogers
2Y4	5D	2.5	.....	.....	.....
3AP1	7AN	2.5	.....	Picture tube	.....
3AP4	7AN	2.5	.....	Picture tube	.....
4S	5D	2.5	2S/4S	.....	.....
5BP1	10A	6.3	.....	Picture tube	.....
5BP4	10A	6.3	.....	Picture tube	.....
DV5	4D	5.0	01A	.....	RCA
5Y3	5T	5.0	5Y3G	.....	Sylvania
5Y4	5Q	5.0	5Y4G	.....	Sylvania
6A7M	8A	6.3	6A8*	*Replacement recommended by RCA	Rogers
6AC5	6Q	6.3	6AC5G	.....	Hytron
6AF7	8AG	6.3	.....	.....	.....
6AF7G	....	6.3	.....	.....	.....
6AG6G	7S	6.3	.....	.....	.....
6B6	7V	6.3	6B6G	.....	Sylvania
6B6M	7V	6.3	6B6G*	*Replacement recommended by RCA	Rogers
6B7M	8E	6.3	6B8*	*Replacement recommended by RCA	Rogers
6F5M	5M	6.3	.....	.....	Rogers
6F6M	7S	6.3	6F6*	*Replacement recommended by RCA	Rogers
6F7M	X1	6.3	.....	.....	Rogers
6H7M	X2	6.3	.....	.....	Rogers
6H7S	7P	6.3	.....	.....	Rogers
6H8	8E	6.3	.....	.....	.....
6H8G	....	6.3	.....	.....	.....
6J5M	6Q	6.3	.....	.....	Rogers
6J5MG	6Q	6.3	6J5GT	.....	Hytron
6J7M	7R	6.3	77M	.....	Rogers
6J8M	8A	6.3	.....	.....	Rogers
6K6MG	7S	6.3	6K6GT	.....	RCA
6K7M	7R	6.3	6K7*	*Replacement recommended by RCA	Rogers

"Rogers" is trademark of Canadian Radio Corp. Ltd.

Tube Type No.	Basing Code	Fil. Volts	Replaceable By Type No.	Remarks	Mfn'r.
6M6G	7S	6.3	.....	.....	.....
6M7G	7R	6.3	.....	.....	.....
6M8GT	....	6.3	.....	.....	.....
6N6	7W	6.3	6N6G	.....	RCA
6P7	7U	6.3	6P7G	.....	RCA Sylvania
6P8G	CQ	6.3	.....	.....	.....
6Q6	7V	6.3	6T7G	.....	Sylvania
6R7M	7V	6.3	.....	.....	Rogers
6S5	6R	6.3	.....	.....	.....
6T6	....	6.3	.....	.....	.....
6V7M	7V	6.3	85M	.....	Rogers
6X6	X3	6.3	.....	.....	Rogers
6X6G	7AL	6.3	.....	.....	.....
6Y5S	6J	6.3	6Y5*	*Plus external shield	.....
9AP4	6AL	2.5	.....	Picture tube	.....
9CP4	4AF	2.5	.....	Picture tube	.....
10S	X6	7.5	.....	.....	Triod
12A7GT	7K	12.5	12A7G	.....	Hytron
12AP4	6AL	2.5	.....	Picture tube	.....
12B6	6Y	12.6	.....	.....	.....
12CP4	4AF	2.5	.....	Picture tube	.....
12G7	7V	12.6	.....	.....	.....
12G7G	7V	12.6	12G7	.....	.....
12J5G	6Q	12.6	12J5GT	.....	.....
13	4C	5.0	80	.....	RCA-Sylv
13B	4C	5.0	80	.....	RCA
16	4B	7.5	81	.....	RCA-Sylv
16B	4B	7.5	81	.....	RCA-Sylv
KR18	6B	14.0	2A5 or 42*	*Obsolete change fil. supply	Kenrad
R20	X5	2.8	.....	.....	Rogers
22 (Spec)	4K	14.0	.....	.....	Arcturus
24	5E	2.5	24A	.....	Tung-Sol
24 (Octal)	X11	2.5	.....	.....	Arcturus Coronet
RK24	4D	2.0	.....	.....	Raytheon
25A7	8F	25.0	25A7GT	.....	.....
25C6	7AC	14.0	.....	.....	RCA
27 (Octal)	6Q	2.5	.....	.....	Arcturus Coronet
R30	5A	2.8	.....	.....	Rogers
30S	4D	2.0	30*	*Plus external shield	Rogers
30 (Spec)	4D	14.0	.....	.....	Arcturus
R32	X5	2.8	.....	.....	Rogers
32S	4K	2.0	32*	*Plus external shield	Rogers
32 (Spec)	4K	14.0	.....	.....	Arcturus
RK33	X9	6.3	.....	.....	Raytheon
33S	5K	2.0	33*	*Plus external shield	Rogers
34 (Octal)	5R	2.0	.....	.....	Arcturus Coronet
34M	5R	2.0	.....	.....	Rogers
34S	4M	2.0	34*	*Plus external shield	Rogers
35Z5	6AD	35.0	35Z5GT	.....	Hytron
40 (Spec)	4D	14.0	.....	.....	Arcturus
41M	7S	6.3	.....	.....	Rogers

"SUPPLEMENTARY" RECEIVING TUBE CHARACTERISTICS CHART—(Cont'd)

Tube Type No	Basing Code	Fil Volts	Replaceable By Type No.	Remarks	Mfn'r.
41S	6B	6.3	41*	*Plus external shield	Rogers
42S	6B	6.3	42*	*Plus external shield	Rogers
43 (Octal)	7AE	25.0	.....	.....	Arcturus Coronet
46S	5C	2.5	46*	*Plus external shield	Rogers
47S	5B	2.5	47*	*Plus external shield	Rogers
48 (Spec)	6A	14.0	.....	.....	Arcturus
KR48	5B	2.5	47	Obsolete	Kenrad
50L6G	7AC	50.0	50L6GT	.....	Hytron
51 (Octal)	X11	2.5	.....	.....	Arcturus Coronet
55 (Octal)	7V	2.5	.....	.....	Arcturus Coronet
56 (Octal)	6Q	2.5	.....	.....	Arcturus Coronet
57 (Octal)	7R	2.5	.....	.....	Arcturus Coronet
58 (Octal)	7R	2.5	.....	.....	Arcturus Coronet
59S	7A	2.5	59*	*Plus external shield	Rogers
75 (Octal)	7V	6.3	.....	.....	Arcturus Coronet
75M	7V	6.3	6B6G*	*Replacement recommended by RCA	Rogers
77 (Octal)	7R	6.3	.....	.....	Arcturus Coronet
77M	7R	6.3	6J7M	.....	Rogers
78 (Octal)	7R	6.3	.....	.....	Arcturus Coronet
78S	6F	6.3	78*	*Plus external shield	Rogers
80 (Octal)	5T	5.0	.....	.....	Arcturus Coronet
82V	4L	2.5	82	.....	.....
84M	6S	6.3	.....	.....	Rogers
84S	5D	6.3	84*	*Plus external shield	Rogers
85 (Octal)	7V	6.3	.....	.....	Arcturus Coronet
85L7	8AB	....	.....	.....	.....
85M	7V	6.3	.....	.....	Rogers
86	5A	6.3	.....	.....	Rogers
86M	6Q	6.3	.....	.....	Rogers
86S	5A	6.3	86*	*Plus external shield	Rogers
87S	6F	6.3	6C6	.....	Rogers
88 (Octal)	7R	5.0	.....	.....	Arcturus Coronet
88M	7R	6.3	.....	.....	Rogers
88S	6F	6.3	6D6	.....	Rogers
89RS	7N	6.3	6G7S	.....	Rogers
89S	6F	6.3	89*	*Plus external shield	Rogers
91	6N	....	.....	.....	.....
R100	4B	5.0	.....	.....	Rogers
101A	4D	5.0	01A	.....	RCA
101F	4D	4.15	.....	.....	Western Electric

Tube Type No	Basing Code	Fil Volts	Replaceable By Type No.	Remarks	Mfn'r.
VR105-30	4W	....	.....	Diode (Voltage Regulator)	RCA Sylvania
110	4D	7.5	10	.....	RCA
112	4D	5.0	12A	.....	RCA
112A	4D	5.0	12A	.....	RCA
117Z6GC	7AR	58.5/117	117Z6GT if C. T. is not used	Original 117Z6GT with center-tap	Sylvania
120	4D	3.3	20	.....	RCA
1218	4D	5.0	.....	.....	Canadian Wh'se.
122	4K	3.3	22	.....	RCA
124	5E	2.5	24A	.....	RCA
126	4D	1.5	26	.....	RCA
127	5A	2.5	27	.....	RCA
130	4D	2.0	30	.....	RCA
131	4D	2.0	31	.....	RCA
132	4K	2.0	32	.....	RCA
133	5K	2.0	33	.....	RCA
134	4M	2.0	34	.....	RCA
135	5E	2.5	35	.....	RCA
136A	5E	6.3	36	.....	RCA
137A	5A	6.3	37	.....	RCA
138A	5F	6.3	38	.....	RCA
139A	5F	6.3	39/44	.....	RCA
X140	4D	5.0	40	.....	.....
143D	4AB	2.5	2X2/879	.....	RCA
145	4D	2.5	45	.....	RCA
147	5B	2.5	47	.....	RCA
150	4D	7.5	50	.....	RCA
VR150-30	4W	....	.....	Diode (Voltage Regulator)	RCA Sylvania
171A	4D	5.0	71A	.....	RCA
180	4C	5.0	80	.....	RCA
UV199	4E	3.3	V99	.....	.....
UX199	4D	3.3	X99	.....	.....
200	4D	5.0	00A	.....	RCA
200A	4D	5.0	00A	.....	RCA
R200	4B	5.0	.....	.....	Rogers
201	4D	5.0	01A	.....	RCA
201A	4D	5.0	01A	.....	RCA
205D	4D	4.5	.....	.....	Western Electric
210	4D	7.5	10	.....	RCA
210T	4D	7.5	10	Triode	Sylvania
213B	4C	5.0	80	Obsolete	RCA
216B	4B	7.5	81	Obsolete	RCA
220	4D	3.3	20	.....	RCA
222	4K	3.3	22	.....	RCA
224A	5E	2.5	24A	.....	RCA
226	4D	1.5	26	.....	RCA
227	5A	2.5	27	.....	RCA
230	4D	2.0	30	.....	RCA
232	4K	2.0	32	.....	RCA
233	5K	2.0	33	.....	RCA
234	4M	2.0	34	.....	RCA
235	5E	2.5	35	.....	RCA
236	5E	6.3	36	.....	RCA
237	5A	6.3	37	.....	RCA

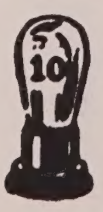
(Cont'd over)

"SUPPLEMENTARY" RECEIVING TUBE CHARACTERISTICS CHART—(Cont'd)

Tube Type No.	Basing Code	Fil. Volts	Replaceable By Type No.	Remarks	Mfn'r.
238	5F	6.3	38	.....	RCA
240	4D	5.0	40	.....	RCA
245	4D	2.5	45	.....	RCA
247	5B	2.5	47	.....	RCA
250	4D	7.5	50	.....	RCA
280	4C	5.0	80	.....	RCA
281	4B	7.5	81	.....	RCA
288	4AD	5.0	83V	.....	Sylvania
C299	4E	3.3	V99	.....	.....
CX299	4D	3.3	X99	.....	.....
300	4D	5.0	00A	.....	RCA
300A	4D	5.0	00A	.....	RCA
301	4D	5.0	01A	.....	RCA
301A	4D	5.0	01A	.....	RCA
310	4D	7.5	10	.....	RCA
313	4C	5.0	80	.....	RCA
313B	4C	5.0	80	.....	RCA
316	4B	7.5	81	.....	RCA
316B	4B	7.5	81	.....	RCA
322	4K	3.3	22	.....	RCA
324A	5E	2.5	24A	.....	RCA
326	4D	1.5	26	.....	RCA
327	5A	2.5	27	.....	RCA
330	4D	2.0	30	.....	RCA
331	4D	2.0	31	.....	RCA
332	4K	2.0	32	.....	RCA
333	5R	2.0	33	.....	RCA
334	4M	2.0	34	.....	RCA
335	5E	2.5	35	.....	RCA
336	5E	6.3	36	.....	RCA
337	5A	6.3	37	.....	RCA
338	5F	6.3	38	.....	RCA
340	4D	5.0	40	.....	RCA
345	4D	2.5	45	.....	RCA
347	5B	2.5	47	.....	RCA
350	4D	7.5	50	.....	RCA
371A	4D	5.0	71A	.....	RCA
374	....	....	874	Voltage regulator	RCA
376	....	....	876	Ballast	RCA
380	4C	5.0	80	.....	RCA
381	4B	7.5	81	.....	RCA
386	....	....	886	Ballast	RCA
400A	4D	5.0	00A	.....	RCA
410	4D	7.5	10	.....	RCA
412A	4D	5.0	12A	.....	RCA
415	....	....	.....	.....	RCA
420	4D	3.3	20	.....	RCA
422	4K	3.3	22	.....	RCA
424A	5E	2.5	24A	.....	RCA
426	4D	1.5	26	.....	RCA
427	5A	2.5	27	.....	RCA
430	4D	2.0	30	.....	RCA
431	4D	2.0	31	.....	RCA
432	4K	2.0	32	.....	RCA
433	5K	2.0	33	.....	RCA
434	4M	2.0	34	.....	RCA
435	5E	2.5	35	.....	RCA
436	5E	6.3	36	.....	RCA
437	5A	6.3	37	.....	RCA

(Cont'd)

Tube Type No.	Basing Code	Fil. Volts	Replaceable By Type No.	Remarks	Mfn'r.
438	5F	6.3	38	.....	RCA
439	5F	6.3	39/44	.....	RCA
440	4D	5.0	40	.....	RCA
441	6B	6.3	41	.....	RCA
442	6B	6.3	42	.....	RCA
444	5F	6.3	39/44	.....	RCA
445	4D	2.5	45	.....	RCA
446	5C	2.5	46	.....	RCA
447	5B	2.5	47	.....	RCA
456	5A	2.5	56	.....	RCA
457	6F	2.5	57	.....	RCA
458	6F	2.5	58	.....	RCA
471A	4D	5.0	71A	.....	RCA
480	4C	5.0	80	.....	RCA
481	4B	7.5	81	.....	RCA
482	4C	2.5	82	.....	RCA
551	5E	2.5	35	.....	RCA
801	4D	7.5	.....	.....	RCA
802	X7	6.3	.....	.....	RCA
803	5J	10.0	.....	.....	RCA
804	5J	7.5	.....	.....	RCA
807	X8	6.3	.....	.....	RCA
841	4D	7.5	.....	.....	RCA
842	4D	7.5	.....	.....	RCA
843	5A	2.5	.....	.....	RCA
866A/866	4P	2.5	866	.....	RCA
879	4AB	2.5	2X2/879	.....	.....
884	6Q	6.3	.....	.....	Raytheon
885	5A	2.5	.....	.....	Raytheon
1221	6F	6.3	.....	Pentode	Sylvania
1223	7R	6.3	.....	Pentode	Sylvania
1231	8V	6.3	.....	Pentode	Sylvania
1232	8V	6.3	7G7/1232	.....	Sylv-Ray.
1602	4D	7.5	.....	.....	RCA
1603	6F	6.3	.....	.....	RCA
1612	7T	6.3	.....	Heptode	RCA
1613	7S	6.3	.....	.....	RCA
1614	7AC	6.3	.....	.....	RCA
1620	7R	6.3	.....	.....	RCA
1622	7AC	6.3	.....	.....	RCA
1631	7AC	12.6	.....	Beam Pw'r. Amp.	RCA
1632	7AC	12.6	.....	Beam Pw'r. Amp	RCA
1633	....	25	.....	Twin-Triode Amp.	RCA
1634	8S	12.6	.....	Twin-Triode Amp.	RCA
1852	8N	6.3	6AC7/1852	.....	Raytheon
1853	8N	6.3	6AB7/1853	.....	Raytheon
7000	7R	6.3	.....	.....	Kenrad
7700	6F	6.3	.....	.....	Kenrad
9001	7-pin miniature	6.3	.....	Det. Amp. Pentode	RCA
9002	7-pin miniature	6.3	.....	Det. Amp. Pentode	RCA
9003	7-pin miniature	6.3	.....	Amp. Pentode	RCA



EDITORIAL

1987 WAS A BUSY YEAR FOR NWVRS. PRESIDENT NELSON'S ABLE LEADERSHIP HAS SUCCESSFULLY TURNED AROUND EVERY PROBLEM WHICH CAME UP. THE DISPLAY AT WFS IS THE FINEST WE'VE HAD. WE ARE STILL MEETING AT OUR REGULAR PLACE AND THE CALL LETTER IS BEGINNING ITS 14th YEAR WITHOUT MISSING A SINGLE MONTHLY ISSUE.

RAY NELSON TURNED THE GAVEL OVER TO DAN HOWARD AT THE DECEMBER MEETING. I'M SURE DAN WILL BE VERY SUCCESSFUL BUILDING ON THE FOUNDATION WHICH RAY HAS LAID.

ED CHARMAN CONTINUES AS OUR TREASURER, HE HAS BEEN DOING A FINE JOB FOR MANY YEARS. THE CALL LETTER IS VERY DEPENDANT ON OUR TREASURER.

MANY OF OUR MEMBERS HAVE ALREADY PAID DUES FOR 1988, THOSE WHO HAVN'T SHOULD SEND THEM IN SOON SO THAT YOUR EDITOR CAN CONTINUE SENDING THIS FINE PUBLICATION TO YOU EACH MONTH. EVERY ONE WHO HAS PAID THEIR DUES CAN ADVERTISE FREE IN THE SWAP SHOP.

THE CLUB HOUSE IS PRETTY COLD THESE DAYS. IT HAS BEEN SUGGESTED THAT WE BRING FIREWOOD TO THE JANUARY 9 MEETING.

KVIX
AM 1290

SWAP SHOP

CONSOLIDATED N.W.V.R.S. / P.S.A.R.A. ADS

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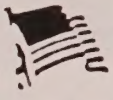
FRANK I. GRAY
3300 F ST.
BAKER, OR. 97814



RCA NIPPER DOG AND RELATED ITEMS. FRANK BANKS 206-824-8956, 1851 S.244th PLACE KENT, WASHINGTON 98032

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MILITARY OR GOVERNMENT RADIO EQUIPMENT, MANUALS, ACCESSORIES, OLD FOREST SERVICE SHORTWAVE EQUIPMENT, ANCIENT OR SIMPLE SHORTWAVE SETS, REGENERATIVE RECEIVERS. HUGH MILLER, 6400 MALTBY ROAD, WOODINVILLE, WASHINGTON 98072, 206-451-5334.

PHILCO 37-61 CHASSIS, ANY CONDITION. AERO COILS, SINGLES OR SETS. S-METER FOR HALLICRAFTERS SX-16 OR SX-17. ANY SIZE TRANSCRIPTION DISCS, 14" BRUNSWICK RECORDS. MAX KAPLAN, 206-851-4187, 14902 84th AVE.,CT. NW, GIG HARBOR WA 98335.

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BLUE 01A, AK 84 CHASSIS,CATALIN RADIOS, MAGNIFIER FOR PILOT 3" TV, CROSLEY 59 CHASSIS,GRILLE CLOTH FOR PHILCO CATHEDRAL. KEN KORHONEN 206-932-9363 4022 41st AVE SW SEATTLE, WASHINGTON 98116

AC • CES • SION /ik-'sesh-en, ak-/
1. acquisition of additional property
2. to record in order of acquisition

JIM MASON
ENGLISH "IVALEK" CRYSTAL SET IN ORIGINAL BOX
WITH MARCONIPHONE HEADSET.
1940 PHILCO CONSOLE WITH REMOTE CONTROL.

January 1988

SUN	MON	TUE	WED	THU	FRI	SAT
					1	2
3	4	5	6	7	8	9 NWVRS 11 A.M. CONTEST
10	11	12	13	14	15	16
17 PSARA 10 A.M. CONTEST	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

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1988 Membership

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Associate Membership	**$12.00**

Associate memberships are accepted from persons outside 100 miles distance of the Portland Metropolitan area.

NAME _____

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CITY, STATE _____

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Call Letters _____

SPECIAL INTERESTS _____

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Check here for renewal _____

Mail membership information and dues to the Northwest Vintage Radio Society P.O. Box 02379, Portland Oregon, 97202

Membership includes monthly newsletters, ten monthly meetings (all except July & August), two swap meets and two auctions each year, as well as a trading roster of members, and unlimited "unclassified" ads in the CALL LETTER.

WAVE-LENGTH—FREQUENCY CONVERSION TABLES

Wave Length (Meters)	Frequency (Kilocycles)	Wave Length (Meters)	Frequency (Kilocycles)	Wave Length (Meters)	Frequency (Kilocycles)
1	300,000	135	2,222	310	967
2	150,000	140	2,144	320	937
3	100,000	145	2,069	330	909
4	75,000	150	2,000	340	882
5	60,000	155	1,935	350	857
6	50,000	160	1,875	360	833
7	42,860	165	1,818	370	810
8	37,500	170	1,765	380	789
9	33,333	175	1,714	390	769
10	30,000	180	1,667	400	750
15	20,000	185	1,622	410	731
20	15,000	190	1,579	420	714
25	12,000	195	1,538	430	697
30	10,000	200	1,500	440	681
35	8,571	205	1,463	450	666
40	7,500	210	1,429	460	652
45	6,667	215	1,395	470	638
50	6,000	220	1,364	480	625
55	5,454	225	1,333	490	612
60	5,000	230	1,304	500	600
65	4,615	235	1,277	510	588
70	4,286	240	1,250	520	576
75	4,000	245	1,225	530	566
80	3,750	250	1,200	540	555
85	3,529	255	1,177	550	545
90	3,333	260	1,154	560	535
95	3,158	265	1,132	570	526
100	3,000	270	1,111	580	517
105	2,857	275	1,091	590	508
110	2,727	280	1,071	600	500
115	2,609	290	1,034	610	491
120	2,500	295	1,017	620	483
125	2,400	300	1,000	630	476
130	2,308			640	468
				650	461